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(74) Agent: KIM, Ki-Ryung; King Road Pllf, Suite 3111, Hyundai 41 Tower, 917-9 Mok-1-Dong, Yangchun-GU, Seoul 158-723 (KR).

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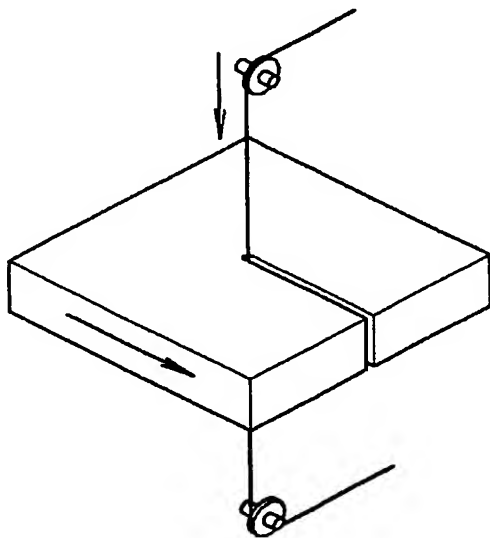
(71) Applicant (for all designated States except US): PUNG KUK EDM WIRE MANUFACTURING CO., LTD [KR/KR]; 404-8 Nojang-Ri Jundong-Myun, Yungi-Gun, Chungchungnam-Do 339-841 (KR).

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(72) Inventor; and
(75) Inventor/Applicant (for US only): LEE, Jong-Cho

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(54) Title: METHOD OF MANUFACTURING ZINC-COATED ELECTRODE WIRE FOR ELECTRIC DISCHARGE PROCES-
SORS USING HOT DIP GALVANIZING PROCESS



(57) Abstract: Disclosed is a method of manufacturing a zinc-coated electrode wire for electro discharge machining using a hot dip galvanizing process. The method includes firstly surface-forming a wire (1) in such a way that its terminal end is tapered while the wire is drawn through a first die at step 10, pre-coating zinc around the firstly processed wire in a molten zinc bath (2) at step 20, main-coating the pre-coated wire with zinc (3) using a sizing die before zinc pre-coated on the wire is hardened at step 30, secondly surface-forming the main-coated wire in such a way that zinc coated around the wire has a uniform thickness using a second die having a smaller diameter than the wire at step 40, heat-treating the secondly surface-processed wire at step 50, and drawing the heat-treated wire using a third die (5) made of natural diamond at step 60.

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